

**Amendment to the claims**

Please amend claims 4, 12-16, 24, 28, 29 and 31 and cancel claims 1-3, 5-11, 18-23, 25-27, 30 and 33-36 without prejudice.

**Listing of Claims**

This listing of claims will replace all prior versions and listings of claims in the Application.

4 (Currently amended). An isolated nucleic acid comprising a ~~coding sequence from~~ the nucleotide sequence of SEQ ID NO:1.

12 (Currently Amended). ~~An expression~~ A vector comprising a nucleic acid of claim 2 operably associated with an expression control sequence.

13 (Currently Amended). A host cell comprising ~~containing the expression~~ a vector of claim 12.

14 (Currently Amended). ~~The~~ A host cell of claim 13, which is a bacterial host cell.

15 (Currently Amended). The A host cell of claim 14, which is an *E. coli* or an actinomycete.

16 (Currently Amended). The A host cell of claim 15, which is *Streptomyces* or *Micromonospora*.

17 (Original). A method for expressing an everninomicin biosynthetic pathway gene product from a *Micromonospora carbonacea*, comprising culturing a host cell of claim 16 under conditions that permit expression of the everninomicin biosynthetic pathway gene product.

24 (Currently Amended). A method for selecting for growth of a ~~transfected or transformed~~ host cell comprising an everninomycin-resistant growth

phenotype, comprising ~~selecting~~ growing a host cell containing the vector of claim ~~23~~  
~~12~~ and cultured in the presence of an amount of everninomicin that is toxic to ~~the~~ a  
host cell which does not contain the vector.

28 (Currently Amended). A vector for genetic integration in an  
actinomycete host cell comprising the nucleic acid of claim ~~26~~ 4.

29 (Currently Amended). ~~The~~ A vector of claim 28, further comprising a  
heterologous gene ~~operatively associated with an expression control sequence~~.

31 (Currently Amended). A method for introducing a heterologous gene  
into an actinomycete, comprising introducing the vector of claim ~~28~~ 29 into the  
actinomycete.

32 (Original). The method according to claim 31, wherein the actinomycete is  
of the genus *Micromonospora*.